

# COPY

PATENTS ONLY

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## TO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest:

Yang Gao  
Huan-Yu Su



Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and Address of Party(ies) receiving an interest:

Name: Conexant Systems, Inc.  
Internal Address: 4311 Jamboree Road  
Street Address: P.O. Box C  
City: Newport Beach  
State/Zip: California 92660-3095

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

- ☒ Assignment ☐ Change of Name Other:  
☐ Security Agreement ☐ Merger

Execution Date: April 18, 2001 and April 24, 2001

4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)  
09/781,735

B. Patent No.(s)

**RECEIVED**  
**AUG 24 2001**  
Technology Center 2600

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312)321-4200

6. Number of applications and patents involved: one

7. Total fee (37 CFR 3.41) \$ 40.00  
☒ Enclosed  
☐ Authorized to be charged to Deposit Account No. 23-1925  
8. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darin E. Bartholomew  
Name of Person Signing

Signature

May 8, 2000  
Date

Total number of pages including cover sheet, attachments, and document: 4

ASSIGNMENT

WHEREAS, Yang Gao and Huan-Yu Su, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SIGNAL PROCESSING SYSTEM FOR FILTERING SPECTRAL CONTENT OF A SIGNAL FOR SPEECH ENCODING, filed February 12, 2001, assigned Application Serial Number 09/781,735, and executed by the Assignors;

WHEREAS, Conexant Systems, Inc., a corporation organized and existing under the laws of Delaware, having a place of business at Newport Beach, California, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications

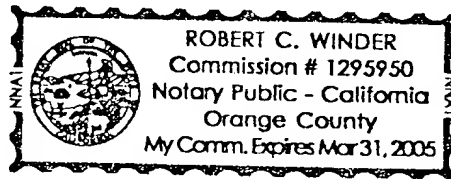
that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

Yang Gao

STATE OF California )  
COUNTY OF Orange ) ss.



I, Robert C. Winder, a Notary Public in and for the County and State aforesaid, do hereby certify that Yang Gao, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that ~~(s)~~he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 18<sup>th</sup> day of April, 2001.

Robert C. Wendt  
Notary Public

(SEAL)

My Commission Expires: 3/31/05

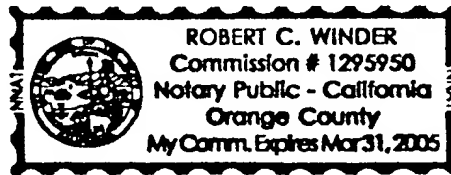
COPY

DATED:

April 24, 2001

H. Y. Su  
Huan-Yu Su

STATE OF California )  
 ) ss.  
COUNTY OF Orange )



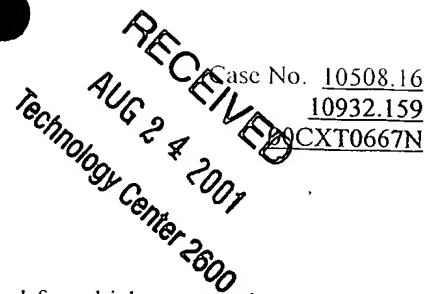
I, Robert C. Winder, a Notary Public in and for the County and State aforesaid, do hereby certify that Huan-Yu Su, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that ~~(x)~~he signed, sealed and delivered the said instrument as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 24 day of April, 2001.

Robert C. Winder  
Notary Public

(SEAL)

My Commission Expires: 3/31/05



BRINKS HOFER GILSON & LIONE  
P.O. Box 10395  
Chicago, IL 60610  
(312) 321-4200

COPY

Inventor's Signature  
Full name of sole or first inventor  
Residence  
Citizenship  
Post Office Address

苏. 宇. 字. 2001

Huan-Yu Su

Date:

April 20, 2001

San Clemente, California

USA

3009 Calle Frontera, San Clemente, California 92673-3029

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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/781,735	02/12/2001	Yang Gao	10508/16

CONFIRMATION NO. 7998

## FORMALITIES LETTER



\*OC00000005871791\*

Darin E. Bartholomew  
BRINKS HOFER GILSON & LIONE  
1411 S. ALGONQUIN DR.  
SCHAUMBURG, IL 60193

Date Mailed: 03/16/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice MUST be returned with the reply.*

RECEIVED  
AUG 24 2001  
Technology Center 2600

TO DOCKET CLERK:

CHECKED:

PTO ENVELOPE

DIARY/COMPUTER

ENTERED ON WORKING CARD

NOTICE OF MAILING TO PATENT OFFICE

Applicant: Gao et al  
Serial No: 09/781,735  
Client/Matter: 10932/159  
Items Mailed: Transmittal Letter (in duplicate);  
Substitution of Drawings including 8 sheets of formal  
drawings; Copy of Response to Notice to File Missing Parts  
previously filed on May 8, 2001; Petition and Fee for  
Extension of Time (in duplicate); check for \$110; postcard

Date of Mailing: June 6, 2001

MEMO TO  
SEC'Y \_\_\_\_\_  
INT'L \_\_\_\_\_

RENT CASE  
CLIENT/MATTER NO.

*DBA/SUB*  
ATTORNEY/SECRETARY

Case No. *10932/159*  
Applicant *Gao et al*

Director of The United States Patent & Trademark Office  
Washington, D.C. 20231

Serial No: 09/781,735  
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duplicate); check for \$110; postcard

BRINKS HOFER GILSON & LIONE

ONE

By: Darin E. Bartholomew

Date of Mailing: June 6, 2001